

cm1
3-6475
P

IOWA STATE
JOURNAL OF SCIENCE

A Quarterly of Research



CONTENTS

VOLUME 40

1965 - 1966

PUBLISHED BY

The Iowa State University Press, *Ames*, Iowa, U.S.A.

TABLE OF CONTENTS

Volume 40, No. 1, August 15, 1965

Old and new species of <u>Lopidea</u> Uhler and <u>Lopidella</u> Knight (Hemiptera, Miridae).	HARRY H. KNIGHT	1
Thin-layer chromatography of cello-oligosaccharides: its application to the detection of intermediates of cellulose digestion by bacteria. .	YANG-HSIEN KE and LOYD Y. QUINN	27
Development of the second ear of thirty-six hybrids of Corn Belt <u>Zea mays</u> l. . .	W.K. COLLINS and W.A. RUSSELL	35
A further study of the <u>E</u> pattern locus in the fowl. J.A. BRUMBAUGH and W.F. HOLLANDER		51
Laboratory production of European corn borer egg masses. W.D. GUTHRIE, E. S. RAUN, F.F. DICKE, G.R. PESHO and S.W. CARTER		65
Resistance of inbred lines of corn (<u>Zea mays</u> L.) to the second brood of the European corn borer [<u>Ostrinia nubilalis</u> (Hubner)]. G.R. PESHO, F.F. DICKE and W.A. RUSSELL		85
Comment on the paper " <u>Some size and shape relationships between tree stems and crowns.</u> " H.A.I. MADGWICK		99

Volume 40, No. 2, November 15, 1965

A new key to species of <u>Reuteroscopus</u> Kirk. with descriptions of new species (Hemiptera, Miridae). . .	HARRY H. KNIGHT	101
Iowa Ascomycetes IV. Diatrypaceae. LOIS H. TIFFANY and J. C. GILMAN		121
List of ISU Staff Publications.		163

Volume 40, No. 3, February 15, 1966

A contribution to the anatomical development of the acorn in <u>Quercus</u> L.	H. LLOYD MOGENSEN	221
Morphological investigations of the internal anatomy of the fifth larval instar of the European corn borer. H.G. DRECKTRAH, K.L. KNIGHT and T.A. BRINDLEY		257
European larch provenance trial in northeast Iowa. G.E. GATHERUM		287
The effect of environmental temperature on forage dry matter intake and milk yield of lactating cows. JOHN A. SIMS and A.R. PORTER		293
Effect of herbicides on seedling development in an Iowa conifer plantation.	CARL J. GOEBEL	303
List of Masters' Theses, 1964-65.		315
List of Doctoral Dissertations, 1964-65.		331

Volume 40, No. 4, May 15, 1966

The grasses of Iowa.	RICHARD W. POHL	341
Indices.		567

